

CHEMLUBE® 900 SERIES

POLYOL ESTER LONG-LIFE COMPRESSOR LUBRICANTS
PRODUCT CODES: CHEMLUBE 922, 932, 946, 968, 9100

PRODUCT OVERVIEW

The Chemlube® 900 series are fully synthetic and have been formulated from premium polyol ester (POE) base fluids to achieve long life for compressor applications. These products are greater than 90% biodegradable as measured by the CEC L33 biodegradability test. New additive technology assures long lasting protection.

These compressor lubricants feature excellent thermal and oxidation stability enabling them to operate over a wide range of temperatures without degradation, varnish, deposit formation, or corrosion. The lubricants have extremely low volatility and base fluid selection that ensures compatibility with a range of non-synthetic lubricants.

The 900 Series are specifically advantageous in high temperature applications, particularly as the low volatility means that there is significantly reduced lubricant in the air stream and any degradation at high thermal temperatures will not result in and detrimental varnishes or deposits. These are readily biodegradable, small amounts of this oil spilled or leaked onto the ground will not adversely affect the environment. Disposal of this fluid should be done in accordance with Local, State, and Federal regulations.

Chemlube 922, 932, 946, and 968 are designed for rotary screw compressors with a long service life of 10,000 –12,000 hours under good operating conditions. Chemlube 9100 is designed for reciprocating compressors.

APPLICATION DETAIL

- Rotary Screw Compressors
- Reciprocating Compressors
- Vacuum Pumps
- Centrifugal Compressors
- Rotary Vane compressors

KEY BENEFITS

- Same base fluid as used in jet aviation (Polyol ester)
- Superior to petroleum, PAO, or synthetic diesters
- Outstanding thermal stability
- Built in detergency action
- Extended drain intervals reduce oil disposal, thus increasing cost effectiveness.
- Generally recognized as being biodegradable and virtually non-toxic
- Extremely low volatility, reduced maintenance, reduced top-up •Excellent lubricity, Increased efficiency, reduced cost of operation
- Better gas-lubricant separation (better coalescing)

QUICK POINTS...

Name: 900 Series

ISO Grade: 22-100

Base: POE - Biodegradable

Additive System: AW / R&O / CI

Color: Pale Straw

Food Grade: No

Main Application: Compressors

TYPICAL CHARACTERISTICS**

TYPICAL PROPERTIES	ASTM METHOD	Chemlube 922	Chemlube 932	Chemlube 946	Chemlube 968	Chemlube 9100
ISO Grade		22	32	46	68	100+
Viscosity, 40 °C	D445	20.0	34.4	48.5	64.9	134.0
Viscosity, 100 °C	D445	4.40	6.00	7.70	9.00	13.00
Viscosity Index	D2270	131	119	125	114	130
Flash Point, °C/°F	D92	241/465	252/485	271/520	266/511	299/570
Pour Point, °C/°F	D97	-60/-76	-57/-70	-51/-60	-43/-45	-34/-29
Copper Corrosion	D130	1b	1b	1b	1b	1b
Foaming Sequence I, II, III	D892	Nil	Nil	Nil	Nil	Nil
Demulsibility, min.	D1401	Excellent	Excellent	Excellent	Excellent	Excellent
Evaporation, %	D972	<0.50	<0.50	<0.50	<0.50	<0.50
Carbon Residue, %	D189	<0.01	<0.01	<0.01	<0.01	<0.01
Specific Gravity	D4052	1.05	1.01	0.97	0.96	1.01

**Characteristics are typical of production. Slight variations in the actual data may occur which will not affect performance.

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SYNTHETIC COMPRESSOR LUBRICANTS FOR 8,000+ HOURS
PRODUCT CODES: CHEMLUBE 922, 932, 946, 968, 9100

SPECIFICATIONS

- ISO 6743-3 DAA & DAB for reciprocating Air compressor & DAG for rotary compressors
- DIN 51506- VDL

COMPATIBILITY NOTES

- Not compatible with synthetic hydrocarbons
- Compatible with most process gases
- Good compatibility with common seal materials, plastics, and paints

SHELF LIFE

- Standard shelf life of (5) years from DOM applies to this product
- Shelf life may be extended and/or recertified upon individual case – please contact your Ultrachem, Inc. representative

HEALTH & REGULATORY STATEMENTS

- Classified as non-hazardous per OSHA GHS
- TSE/BSE compliant: product does not contain any materials of animal origin or derivatives
- FALCPA compliant: product does not contain any allergens
- RoHS compliant: product does not contain any EU RoHS substances
- REACH compliant: product does not contain any SVHC substances
- Guidelines on safety and storage may be found on the associated Safety Data Sheet (SDS@ultracheminc.com)

PACKAGING & SHIPPING AVAILABILITY

- 5 gallon pail (18.9 L) 1-3 business days
- 55 gallon drum (208.2 L) 1-3 business days
- 330 gallon tote (1249.2 L) 1-3 business days
- (2) 2.5 gallon case (18.9 L) 1-3 business days
- (6) 1 gallon case (22.7 L) 3-8 business days

Please contact your Ultrachem, Inc. representative for detailed information not covered in this data sheet.



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We therefore recommend you consult a FUCHS Lubricants Co. Application Engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

Our products undergo continuous improvement. We therefore retain the right to change our product program, the products, and their manufacturing processes as well as all details of our Product Information sheets at any time and without warning. With the publication of this Product Information sheet, all previous editions cease to be valid.

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